Form Status: Certified and Sent to USEPA
Validation Status: Passed with Possible Errors

Form Approved OMB Number: 2025-0009
(IMPORTANT: Read instructions before completing form; type or use fill-and-print form) Approval Expires:

EPA United States Environmental Protection Agency	**FORM R** Section 313 of the Emergency Planning and Community Right-to-know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act.	TRI Facility ID Number: **98134LSKNC32006** Toxic Chemical, Category, or Generic Name: **Nickel Compounds**

WHERE TO SEND COMPLETED FORMS:	1. TRI Data Processing Center P.O. Box 10163 Fairfax, VA 22038 *** File Copy Only: Do Not Submit Paper Form to EPA ***	2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank:	Revision (Enter up to two code(s)) [ ][ ]	Withdrawal (Enter up to two code(s)) [ ][ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

Part I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: **2013**

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?	2.2 Is this copy	
[ ] Yes (Answer questions 2.2; attach substantiation forms) [X] NO (Do not answer 2.2; go to Section 3)	[ ] Sanitized [ ] Unsanitized (Answer only if "Yes" in 2.1)	

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
File Copy Only: Do Not Submit Paper Form to EPA	File Copy Only: Do Not Submit Paper Form to EPA	XX/XX/XXXX

SECTION 4. FACILITY IDENTIFICATION

4.1		TRI Facility ID Number	98134LSKNC32006

Facility or Establishment Name: **ALASKAN COPPER WORKS**

Street	Mailing Address (if different from physical street address)	
3200 6TH AVE S	**P.O. BOX 3546**	
City/County/Tribe/State/ZIP Code	City/State/ZIP Code	Country (Non-US)
SEATTLE / King / BIA Code: / WA / 981342106	**SEATTLE / WA / 981243546**	

4.2	This report contains information for : (Important: check a or b; check c or d if applicable)	a. [X] An Entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility	d. [ ] GOCO

4.3	Technical Contact name	**JAMES BROWN**	Email Address (b) (6)			Telephone Number (include area code) **2066235800**	
4.4	Public Contact name	**JAMES BROWN**	Email Address (b) (6)			Telephone Number (include area code) **2066235800**	
4.5	NAICS Code(s) (6 digits)	a. **332996 (Primary)**	b.	c.	d.	e.	f.

4.6	Dun and Bradstreet Number(s) (9 digits)
a.	**009255571**
b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of U.S. Parent Company (for TRI Reporting purposes)	**ALASKAN COPPER WORKS**	No U.S. Parent Company (for TRI Reporting purposes) [ ]

5.2	Parent Company's Dun & Bradstreet Number	NA [ ]	009255571

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION	TRI Facility ID Number 98134LSKNC32006 Toxic Chemical, Category, or Generic Name Nickel Compounds

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) N495
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Nickel Compounds
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive). NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [ ] As a byproduct f. [ ] As an impurity	a. [ ] As a reactant b. [ ] As a formulation component c. [X] As an article component d. [ ] Repackaging e. [ ] As an impurity	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 [05] (Enter two-digit code from instruction package.)

SECTION 5.QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (Enter code)	C. Percent from Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	B	O	
5.2	Stack or point air emissions	NA [ ]	A	O	
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA [X]			
	Stream or Water Body Name				
5.3.1	NA				

*For Dioxin and Dioxin-like Compounds, report in grams/year

**Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)	TRI Facility ID Number 98134LSKNC32006 Toxic Chemical, Category, or Generic Name Nickel Compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (Continued)

		NA	A. Total Release (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)
5.4.1	Underground Injection on-site to Class I wells	[X]		
5.4.2	Underground Injection on-site to Class II-V wells	[X]		
5.5	Disposal to land on-site			
5.5.1.A	RCRA subtitle C landfills	[X]		
5.5.1.B	Other landfills	[X]		
5.5.2	Land treatment/application farming	[X]		
5.5.3A	RCRA Subtitle C surface impoundments	[X]		
5.5.3B	Other surface impoundments	[X]		
5.5.4	Other disposal	[X]		

SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)	NA [ ]
6.1.1 POTW Name	WEST POINT TREATMENT PLANT
POTW Address	1400 UTAH AVE

City	SEATTLE	County	King	State	WA	Zip	98199

A. Quantity Transferred to this POTW (pounds/year*) (Enter range code**or estimate)	B. Basis of Estimate (Enter code)
A	M1

*For Dioxin and Dioxin-like Compounds, report in grams/year

EPA Form 9350-1 (Rev.) - Previous editions are obsolete.

**Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

EPA FORM R PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)	TRI Facility ID Number 98134LSKNC32006 Toxic Chemical, Category, or Generic Name Nickel Compounds

6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS	NA [ ]
6.2.0 Off-Site EPA Identification Number (RCRA ID No.)	AZD980735500
Off-Site Location Name:	WORLD RESOURCES CO
Off-Site Address:	8113 WEST SHERMAN STREET

City	TOLLESON	County	Maricopa	State	AZ	Zip	85353	Country (Non-US)	

Is location under control of reporting facility or parent company?	[ ] Yes [X] No

A. Total Transfer (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)
1 . B	1 . C	1 . M24

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	WAD991281767
Off-Site Location Name:	BURLINGTON ENVIRONMENTAL LLC
Off-Site Address:	20245 77TH AVENUE SOUTH

City	KENT	County	King	State	WA	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company?	[ ] Yes [X] No

A. Total Transfer (pounds/year*) (Enter range code** or estimate)	B. Basis of Estimate (Enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)
1 . A	1 . O	1 . M93

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[X] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (Enter code)	b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))	c. Waste Treatment Efficiency (Enter 2 character code)

*For Dioxin and Dioxin-like Compounds, report in grams/year

EPA Form 9350-1 (Rev.) - Previous editions are obsolete.

**Range Codes: A=1-10 pounds; B=11-499 pounds; C=500-999 pounds.

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number: 98134LSKNC32006

Toxic Chemical, Category, or Generic Name: Nickel Compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] NA - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [Enter 3-character code(s)]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] NA - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [Enter 3-character code(s)]

SECTION 8. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	255	255	255	255
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	0	0	0	0
8.1d	Total other off-site disposal or other releases	10	5	100	200
8.2	Quantity used for energy recovery on-site	NA	NA	NA	NA
8.3	Quantity used for energy recovery off-site	NA	NA	NA	NA
8.4	Quantity recycled on-site	NA	NA	NA	NA
8.5	Quantity recycled off-site	255	255	400	600
8.6	Quantity treated on-site	NA	NA	NA	NA
8.7	Quantity treated off-site	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)		NA		
8.9	Production ratio or activity index		3.36		
8.10	Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA.		NA []		

	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))		
8.10.1	W39	T01	T03	T04
8.10.	W29	T01	T03	T04

2				
8.10.3	W19	T01	T03	T04

*For Dioxin and Dioxin-like Compounds, report in grams/year

TRI Facility ID Number
98134LSKNC32006
Toxic Chemical, Category, or Generic Name
Nickel Compounds

Additional optional information on source reduction, recycling, or pollution control activities.
Metal slag/sludge that at one time was characterized as a hazardous waste and transferred off site (2008 and the years prior) or treated on site (mid-2008 through 2010) is now characterized as a non-hazardous material and considered a by-product and is fully recycled as-is off site (2011 to current).

Miscellaneous, additional, or optional information regarding the Form R submission
Much more metal containing nickel and nickel compounds (e.g., copper-nickel alloys and aluminum) was processed in 2013 over 2012; therefore, attributing to the significant increase in production ratio.